

11:20 a.m. 11:25 a.m.

11:30 a.m.

Exhibit hall open

Lunch is served in Main Hall

## **Environmental Show of the South**

## April 20-22, 2016 - Gatlinburg, Tennessee DRAFT Program Schedule

|                                                                                                   | PENCE & EXHIB                                 |               |                |                          |                                                               |                                       |                                       |               |               |                         |
|---------------------------------------------------------------------------------------------------|-----------------------------------------------|---------------|----------------|--------------------------|---------------------------------------------------------------|---------------------------------------|---------------------------------------|---------------|---------------|-------------------------|
|                                                                                                   | Wednes                                        | day, April 20 | , 2016         |                          |                                                               |                                       |                                       |               |               |                         |
| Hall 1                                                                                            | Halls 2-3                                     |               | Gatlinburg A-B | Room 1-3                 | Rooms 4-5                                                     | Rooms 6-7                             | Rooms 8-9                             | Room 10-11    | Room 12       |                         |
| (Lower Level) Opening Plenary Session                                                             | (Lower Level) Exhibit Hall                    |               | (Upper Level)  | (Upper Level)            | (Upper Level)                                                 | (Upper Level)                         | (Upper Level)                         | (Upper Level) | (Lower Level) | esday, April 20, 2016   |
| Attendees register in hallway                                                                     | Exhibit hall open - continental breakfast ava | ai 7:30 a.m.  |                |                          |                                                               |                                       |                                       |               |               | 55 ag ; , , p 20; 20 10 |
| Opening session begins in main hall                                                               |                                               | 9:00 a.m.     |                |                          |                                                               |                                       |                                       |               |               |                         |
| Opening Remarks                                                                                   | _                                             | 9:05 a.m.     |                |                          |                                                               |                                       |                                       |               |               |                         |
| - Patrick J. Flood, P.E., Director, TDEC - Division of Solid                                      |                                               | 9:10 a.m.     |                |                          |                                                               |                                       |                                       |               |               |                         |
| Waste Management                                                                                  |                                               | 9:15 a.m.     |                |                          |                                                               |                                       |                                       |               |               |                         |
| Welcome to TDEC's 45th Annual Environmental                                                       |                                               | 9:20 a.m.     |                |                          |                                                               |                                       |                                       |               |               |                         |
| Show of the South                                                                                 |                                               | 9:25 a.m.     |                |                          |                                                               |                                       |                                       |               |               |                         |
| - Robert J. Martineau, Jr., Commissioner, Tennessee<br>Department of Environment and Conservation |                                               | 9:30 a.m.     |                |                          |                                                               |                                       |                                       |               |               |                         |
| Soparation of Entropy and Society and St.                                                         |                                               | 9:35 a.m.     |                |                          |                                                               |                                       |                                       |               |               |                         |
| Keynote Address:                                                                                  |                                               | 9:40 a.m.     |                |                          |                                                               |                                       | ion within 18 breakout and 2 p        | enary         |               |                         |
| A Charles Mailes on Dla D. Antina Danste Administrator                                            |                                               | 9:45 a.m.     |                |                          | rdinated so that attendees m<br>nay plan their time accordin; | nay move between sessions as r        | needed. This draft schedule is        |               |               |                         |
| - A. Stanley Meiburg, Ph.D., Acting Deputy Administrator,<br>U.S. Environmental Protection Agency |                                               | 9:50 a.m.     |                | provided so attendees in | nay pian then time according                                  | gry.                                  |                                       |               |               |                         |
|                                                                                                   |                                               | 9:55 a.m.     |                |                          | /www.tn.gov/environment/                                      | topic/sw-environmental-show           | <u>v-of-the-south</u> for more inform | ation         |               |                         |
|                                                                                                   |                                               | 10:00 a.m.    |                | or to register.          |                                                               |                                       |                                       |               |               |                         |
|                                                                                                   |                                               | 10:05 a.m.    |                | If you have any question | ns, please email rachells goul                                | <u>et@tn.gov</u> or call 615-532-0788 | 3                                     |               |               |                         |
|                                                                                                   |                                               | 10:10 a.m.    |                | you have any queeties    |                                                               | or dan die dd2 droe                   |                                       |               |               |                         |
|                                                                                                   |                                               | 10:15 a.m.    |                |                          |                                                               |                                       |                                       |               |               |                         |
|                                                                                                   |                                               | 10:20 a.m.    |                |                          |                                                               |                                       |                                       |               |               |                         |
|                                                                                                   |                                               | 10:25 a.m.    |                |                          |                                                               |                                       |                                       |               |               |                         |
| Show of the South History and Recognition of                                                      |                                               | 10:30 a.m.    |                |                          |                                                               |                                       |                                       |               |               |                         |
| Pioneers                                                                                          |                                               | 10:35 a.m.    |                |                          |                                                               |                                       |                                       |               |               |                         |
|                                                                                                   |                                               | 10:40 a.m.    |                |                          |                                                               |                                       |                                       |               |               |                         |
|                                                                                                   |                                               | 10:45 a.m.    |                |                          |                                                               |                                       |                                       |               |               |                         |
| Morning Announcements                                                                             |                                               | 10:50 a.m.    |                |                          |                                                               |                                       |                                       |               |               |                         |
|                                                                                                   |                                               | 10:55 a.m.    |                |                          |                                                               |                                       |                                       |               |               |                         |
| All adjourn to exhibit hall while lunch is set up                                                 | Everyone visits Exhibit Hall                  | 11:00 a.m.    |                |                          |                                                               |                                       |                                       |               |               |                         |
|                                                                                                   |                                               | 11:05 a.m.    |                |                          |                                                               |                                       |                                       |               |               |                         |
|                                                                                                   |                                               | 11:10 a.m.    |                |                          |                                                               |                                       |                                       |               |               |                         |
|                                                                                                   |                                               | 11:15 a.m.    |                |                          |                                                               |                                       |                                       |               |               |                         |
|                                                                                                   |                                               |               |                |                          |                                                               |                                       |                                       |               |               |                         |

| Hall 1        | Halls 2-3                                 |                                                                                                                                               | Gatlinburg A-B                                                                                   | Room 1-3                                                                                                                                                                                                                                        | Rooms 4-5                                                                                                                                                                                                                                                                                                                                             | Rooms 6-7                                                                                                                                                                                                                                      | Rooms 8-9                                                                                                                                                                                                                                                                                                                                                  | Room 10-11                                                                                                                                                                                         | Room 12                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                       |
|---------------|-------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| (Lower Level) | (Lower Level)                             |                                                                                                                                               | (Upper Level)                                                                                    | (Upper Level)                                                                                                                                                                                                                                   | (Upper Level) Wedne                                                                                                                                                                                                                                                                                                                                   | (Upper Level)<br>esday Afternoon - April 20, 2                                                                                                                                                                                                 | (Upper Level)                                                                                                                                                                                                                                                                                                                                              | (Upper Level)                                                                                                                                                                                      | (Lower Level)                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                       |
| Hall 1        | Halls 2-3                                 |                                                                                                                                               | Gatlinburg A-B                                                                                   | Room 1-3                                                                                                                                                                                                                                        | Rooms 4-5                                                                                                                                                                                                                                                                                                                                             | Rooms 6-7                                                                                                                                                                                                                                      | Rooms 8-9                                                                                                                                                                                                                                                                                                                                                  | Room 10-11                                                                                                                                                                                         | Room 12                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                       |
| (Lower Level) | (Lower Level)                             |                                                                                                                                               | (Upper Level)                                                                                    | (Upper Level)                                                                                                                                                                                                                                   | (Upper Level)                                                                                                                                                                                                                                                                                                                                         | (Upper Level)                                                                                                                                                                                                                                  | (Upper Level)                                                                                                                                                                                                                                                                                                                                              | (Upper Level)                                                                                                                                                                                      | (Lower Level)                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                       |
|               |                                           |                                                                                                                                               | Solid Waste Session                                                                              | Materials Management Session                                                                                                                                                                                                                    | Hazardous Waste & Hazardous Materials Session                                                                                                                                                                                                                                                                                                         | Environmental Law Session                                                                                                                                                                                                                      | Remediation Session                                                                                                                                                                                                                                                                                                                                        | Water Resources Session                                                                                                                                                                            | Radiological Health Session                                                                                                                                                                                                                                                                                      |                                                                                                                                                                       |
|               |                                           | 1:00 p.m. Mode sessi                                                                                                                          | erator Patrick Mulligan, P.G., opens<br>ion                                                      | Moderator Bob Fletcher opens session                                                                                                                                                                                                            | Moderator John Webb, P.E., opens session                                                                                                                                                                                                                                                                                                              | Moderator Steve Stout opens session                                                                                                                                                                                                            | Moderator Robin Heriges opens session                                                                                                                                                                                                                                                                                                                      | Moderator opens session                                                                                                                                                                            | Moderators Billy Freeman and Anthony<br>Hogan open session                                                                                                                                                                                                                                                       | 1:00 p.m<br>1:05 p.m                                                                                                                                                  |
|               | Exhibit Hall Open                         | 1:10 p.m.  1:15 p.m.  1:20 p.m.  1:30 p.m.  1:35 p.m.  1:35 p.m.  1:40 p.m.  1:45 p.m.  1:50 p.m.  1:50 p.m.  1:50 p.m.  1:50 p.m.  1:50 p.m. | m Kelley, Hoover Mason Recycling                                                                 | Food Loss Reduction Goal - Will Sagar, Southeast Recycling Development Council (SERDC) - David Cloniger, Second Harvest Food Bank of Middle TN - Kim Bunson, Publix                                                                             | Significant Differences Between the Federal and Tennessee Hazardous Waste Regulations - Dwight Hinch, TriAD Environmental Consultants, Inc  Federal & State Hazardous Waste Environmental Inspections: What to expect during compliance inspections - Alan Newman, U.S. EPA, Region 4 - Jason Simpson, P.E, TDEC - Division of Solid Waste Management |                                                                                                                                                                                                                                                | Current Status of the Bethel Valley Remediation Project - Ray Tant, P.E., Shield Engineering - John Long, P.E., Shield Engineering  Remediation of an Active Dry Cleaning Operation in an Urban Setting - Dr. Jim Mueller, Provectus  Brownfield Redevelopment Partnerships—Making It Simple in Tennessee - Andrew Marchioni, V&S Memphis Galvanizing, LLC | Water Reuse in Tennessee - George Garden - Darren Gore, Director of Murfreesboro Water Services  Tennessee's Biosolids Program - Robert G. O'Dette, M.S., P.E., TDEC - Division of Water Resources | Introduction to the TDEC Division of Radiological Health (DRH)  Andrew Holcomb, Mariza Gonzalez DRH Incident Response System  - Ruben Crosslin  - Trevor Jackson  - Andrew Holcomb  - Steve Seeger  Radioactive Materials at the Landfill or Recycling Facility  - Mark Andrews  - Allen Grewe  - Jerry Bingaman | 1:10 p.m.<br>1:15 p.m.<br>1:20 p.m.<br>1:25 p.m.<br>1:35 p.m.<br>1:35 p.m.<br>1:40 p.m.<br>1:55 p.m.<br>2:00 p.m.<br>2:10 p.m.<br>2:15 p.m.<br>2:20 p.m.<br>2:25 p.m. |
|               | Refreshments served in the Exhibit Hall   | 2:30 p.m.                                                                                                                                     |                                                                                                  |                                                                                                                                                                                                                                                 | Netw                                                                                                                                                                                                                                                                                                                                                  | orking Break—Refreshments served in the Exhi                                                                                                                                                                                                   | bit Hall                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                  | 2:30 p.m.                                                                                                                                                             |
|               | uec                                       | 3:00 p.m.<br>3:05 p.m.<br>3:10 p.m.<br>3:15 p.m.<br>3:20 p.m.<br>3:25 p.m.<br>3:35 p.m.                                                       | st<br>f Smith, P.G., Simon & Associates                                                          | Social Media, Advertising, Communication and Promotion and How To Get People Involved - Mimi Keisling, Rutherford County Environmental Education - Hannah-Kate Marrs, Rutherford County Solid Waste - Nancy Zion, Williamson County Solid Waste | Where the Hazardous Waste Regulations Are & Where They're Heading - Janet Evans, Eastman Chemical Company (Retired) - Alan Newman, U.S. EPA, Region 4 - Ed Callaway, Waller Law - TBD, TDEC - Division of Solid Waste Management                                                                                                                      | Jurisdiction and Other Current Environmental Issues in Bankruptcy - Lawrence R. Ahem, Ill. Brown & Ahem - Darlene Taylor Marsh, Dickinson Wright PLLC - Marvin E. Clements, Jr., Office of the Tennessee Attorney General, Bankruptcy Division | Eyesore to Icon—Redeveloping the<br>Nashville Waste to Energy Plant into<br>a Public Park and the Ascend<br>Amphitheater<br>- Greg Brubaker, P.E., K. S. Ware and<br>Associates, LLC                                                                                                                                                                       | The Importance of Particle Size Distribution When Defining 80% TSS Removal Efficiency - Mark B. Miller, AquaShield, Inc.                                                                           | Radiation Detection Devices: What Can the Landfill and Scrap Metal Industries Use and Are They Permitted - Chuck Johnson, TDEC - Division of Radiological Health - Ryan Crihfield                                                                                                                                | 3:00 p.m.<br>3:05 p.m.<br>3:10 p.m.<br>3:15 p.m.<br>3:20 p.m.<br>3:25 p.m.<br>3:30 p.m.                                                                               |
|               | Exhibit Hall Op                           | 3:45 p.m And                                                                                                                                  | of Alternative Daily Cover (ADC)<br>drew J. Querio, P.E., Environmental<br>mation Logistics, LLC |                                                                                                                                                                                                                                                 | Issues With Open Burning and Open<br>Detonation<br>- Terri Crosby-Vega, Environmental<br>Engineer, U.S. EPA, Region 4                                                                                                                                                                                                                                 | Practical Guide to Tennessee's<br>Brownfield Program<br>- William L. Penny, Burr & Forman                                                                                                                                                      | Chattanooga Coke property redevelopment - David Higney, Attorney, Grant, Konvalinka and Harrison, PC - Evan Spann, P.G., TDEC - Division of Remediation - Troy Keith, TDEC - Division of Remediation                                                                                                                                                       | Mass Flux Analysis to Improve Site<br>Characterization and Remedy<br>Selection<br>- Patrick Curry, Arcadis                                                                                         | Radiation Detection Instruments Used by the TDEC Division of Radiological Health - Including a Demonstration - Jerry Bingaman - Ryan Crihfield - Trevor Jackson                                                                                                                                                  | 3:40 p.m<br>3:45 p.m<br>3:50 p.m<br>3:55 p.m<br>4:00 p.m<br>4:05 p.m<br>4:10 p.m                                                                                      |
|               |                                           | 4:20 p.m. Mode                                                                                                                                | erator closes session                                                                            | Moderator closes session                                                                                                                                                                                                                        | Moderator closes session                                                                                                                                                                                                                                                                                                                              | Moderator closes session                                                                                                                                                                                                                       | Moderator closes session                                                                                                                                                                                                                                                                                                                                   | Moderator closes session                                                                                                                                                                           | Moderator closes session                                                                                                                                                                                                                                                                                         | 4:20 p.m                                                                                                                                                              |
|               |                                           | 4:25 p.m.                                                                                                                                     |                                                                                                  |                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                  | 4:25 p.r                                                                                                                                                              |
|               | Welcome reception held in the exhibit hal | " Is oo                                                                                                                                       |                                                                                                  |                                                                                                                                                                                                                                                 | E-00 D                                                                                                                                                                                                                                                                                                                                                | M-6:30 PM Welcome Reception held in the Exh                                                                                                                                                                                                    | SERVICE                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                  | 5:00 p.r                                                                                                                                                              |

| Hall 1                  | Halls 2-3                               |                                                                                                                                                                                    | Gatlinburg A-B                                                                                                                                                                                                                                                                                                         | Room 1-3                                                                                                                                                                                                                          | Rooms 4-5                                                                                                                                                                                                                                                                                                                                                                                                                                                | Rooms 6-7                                                                                                                                                                                                                                                                     | Rooms 8-9                                                                                                                                                                                                                                                                                                                                                       | Room 10-11                                                                                                                                                                                                | Room 12                                                                                                                          |
|-------------------------|-----------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|
| (Lower Level)           | (Lower Level)                           |                                                                                                                                                                                    | (Upper Level)                                                                                                                                                                                                                                                                                                          | (Upper Level)                                                                                                                                                                                                                     | (Upper Level)                                                                                                                                                                                                                                                                                                                                                                                                                                            | (Upper Level)                                                                                                                                                                                                                                                                 | (Upper Level)                                                                                                                                                                                                                                                                                                                                                   | (Upper Level)                                                                                                                                                                                             | (Lower Level)                                                                                                                    |
|                         |                                         |                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                        | T                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                          | rsday Morning - April 21, 20                                                                                                                                                                                                                                                  | 016                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                           |                                                                                                                                  |
|                         |                                         |                                                                                                                                                                                    | Solid Waste Session                                                                                                                                                                                                                                                                                                    | Materials Management Session                                                                                                                                                                                                      | Hazardous Waste & Hazardous Materials Session                                                                                                                                                                                                                                                                                                                                                                                                            | Environmental Law Session                                                                                                                                                                                                                                                     | Toxic Substances Session                                                                                                                                                                                                                                                                                                                                        | Water Resources Session                                                                                                                                                                                   |                                                                                                                                  |
|                         | Breakfast served in exhibit hall        | 7:30 a.m.                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                   | Breakfast served                                                                                                                                                                                                                                                                                                                                                                                                                                         | d in the Exhibit Hall                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                           | 7:30 a.r                                                                                                                         |
|                         |                                         | 8:00 a.m.                                                                                                                                                                          | Moderator Dr. Daniel L. Reed opens session                                                                                                                                                                                                                                                                             | Moderator Will Ward opens session                                                                                                                                                                                                 | Moderator opens session                                                                                                                                                                                                                                                                                                                                                                                                                                  | Moderator opens session                                                                                                                                                                                                                                                       | Moderator opens session                                                                                                                                                                                                                                                                                                                                         | Moderator opens session                                                                                                                                                                                   | 8:00 a.r                                                                                                                         |
|                         |                                         | 8:05 a.m.                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                           | 8:05 a.r                                                                                                                         |
|                         |                                         | 8:10 a.m.                                                                                                                                                                          | Landfill Liner Construction                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                   | Safer, More Effective ISCO Remedial                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                               | The Fundamentals of Organic                                                                                                                                                                                                                                                                                                                                     | U.S. Army Corp of Engineers                                                                                                                                                                               | 8:10 a.r                                                                                                                         |
|                         |                                         | 8:15 a.m.                                                                                                                                                                          | Specifications Simplified - Mark Payne, Marion County Solid Waste                                                                                                                                                                                                                                                      | to Success - Chris Ronson, Emerge Knowledge                                                                                                                                                                                       | Actions using Non-Extreme Persulfate Activation plus Sustained                                                                                                                                                                                                                                                                                                                                                                                           | - Brooklyn Sawyers                                                                                                                                                                                                                                                            | Compound Quantification (Part I) - Billy Anderson, TestAmerica Laboratories,                                                                                                                                                                                                                                                                                    | Process for Determining Jurisdictional Waters                                                                                                                                                             | 8:15 a.r                                                                                                                         |
|                         |                                         | 8:20 a.m.                                                                                                                                                                          | Director                                                                                                                                                                                                                                                                                                               | - Dee Rodgers, Region 4 EPA                                                                                                                                                                                                       | Secondary Biotreatment                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                               | Inc.                                                                                                                                                                                                                                                                                                                                                            | - USACE                                                                                                                                                                                                   | 8:20 a.i                                                                                                                         |
|                         |                                         | 8:25 a.m.                                                                                                                                                                          | - Jo K. House, P.E., P.G., House<br>Engineering, LLC.                                                                                                                                                                                                                                                                  | - Mac Nolen, Rutherford County                                                                                                                                                                                                    | - Jim Mueller, Provectus Environmental                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                           | 8:25 a.                                                                                                                          |
|                         |                                         | 8:30 a.m.                                                                                                                                                                          | Engineering, LEG.                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                   | Products, Inc.                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                           | 8:30 a.                                                                                                                          |
|                         | ē                                       | 8:35 a.m.                                                                                                                                                                          | <u> </u>                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                           | 8:35 a.                                                                                                                          |
|                         | op III                                  | 8:40 a.m.                                                                                                                                                                          | Geomembranes: Types, Durability                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                 | A Success Story: Reclamation of the Lower North Potato Creek Watershed                                                                                                                                    | 8:40 a.i                                                                                                                         |
|                         | bit He                                  | 8:45 a.m.                                                                                                                                                                          | and Field Testing                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                           | 8:45 a.r                                                                                                                         |
|                         | E ×                                     | 8:50 a.m.                                                                                                                                                                          | - Gary Kolbasuk, Raven Engineered Films                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                   | Real-Time Flux Measurement Using                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                               | Using GPS-Geospatial Technology in                                                                                                                                                                                                                                                                                                                              | - Dave Turner, TDEC - Division of Water Resources                                                                                                                                                         | 8:50 a.i                                                                                                                         |
|                         |                                         | 8:55 a.m.                                                                                                                                                                          | D .                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                   | the Hydraulic Profiling Tool,                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                               | Your Organization                                                                                                                                                                                                                                                                                                                                               | - Greg Denton                                                                                                                                                                                             | 8:55 a.                                                                                                                          |
|                         |                                         | 9:00 a.m.                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                   | Quantitative Discrete Sampling and On-Site Analysis                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                               | - Eric Muncy, Precision Products<br>- Jeff Clark, Precision Products                                                                                                                                                                                                                                                                                            | - Tom McComb, Barge Waggoner Sumner and Cannon, Inc.                                                                                                                                                      | 9:00 a.                                                                                                                          |
|                         |                                         | 9:05 a.m.                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                   | - Brad Carlson, Zebra Technical Services                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                               | ,                                                                                                                                                                                                                                                                                                                                                               | , ·                                                                                                                                                                                                       | 9:05 a.                                                                                                                          |
|                         |                                         | 9:10 a.m.                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                           | 9:10 a.ı                                                                                                                         |
|                         |                                         | 9:15 a.m.                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                           | 9:15 a.i                                                                                                                         |
|                         |                                         | 9:20 a.m.                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                           | 9:20 a.                                                                                                                          |
|                         |                                         | 9:25 a.m.                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                 | -                                                                                                                                                                                                         |                                                                                                                                  |
|                         |                                         | 19.25 a.III.                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                           | 19:25 a.r                                                                                                                        |
|                         | Refreshments served in the Exhibit Hall |                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                   | Netw                                                                                                                                                                                                                                                                                                                                                                                                                                                     | orking Break—Refreshments served in the Exh                                                                                                                                                                                                                                   | ibit Hall                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                           | 9:25 a.r<br>9:30 a.r                                                                                                             |
|                         | Refreshments served in the Exhibit Hal  |                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                          | orking Break—Refreshments served in the Exh<br>Morning - April 21, 2016 Co                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                           | 9:25 a.r<br>9:30 a.r                                                                                                             |
| Hall 1                  | Halls 2-3                               |                                                                                                                                                                                    | Gatlinburg A-B                                                                                                                                                                                                                                                                                                         | Room 1-3                                                                                                                                                                                                                          | Thursday Rooms 4-5                                                                                                                                                                                                                                                                                                                                                                                                                                       | Morning - April 21, 2016 Co                                                                                                                                                                                                                                                   | ontinued Rooms 8-9                                                                                                                                                                                                                                                                                                                                              | Room 10-11                                                                                                                                                                                                | 9:30 a.r<br>Room 12                                                                                                              |
| Hall 1<br>(Lower Level) |                                         |                                                                                                                                                                                    | (Upper Level)                                                                                                                                                                                                                                                                                                          | (Upper Level)                                                                                                                                                                                                                     | Thursday  Rooms 4-5 (Upper Level)                                                                                                                                                                                                                                                                                                                                                                                                                        | Morning - April 21, 2016 Co<br>Rooms 6-7<br>(Upper Level)                                                                                                                                                                                                                     | Rooms 8-9 (Upper Level)                                                                                                                                                                                                                                                                                                                                         | (Upper Level)                                                                                                                                                                                             | 9:30 a.r                                                                                                                         |
|                         | Halls 2-3                               |                                                                                                                                                                                    | (Upper Level) Solid Waste Session cont.                                                                                                                                                                                                                                                                                | (Upper Level)  Materials Management Session  cont.                                                                                                                                                                                | Thursday  Rooms 4-5 (Upper Level)  Hazardous Waste & Hazardous Materials Session cont.                                                                                                                                                                                                                                                                                                                                                                   | Morning - April 21, 2016 Co<br>Rooms 6-7<br>(Upper Level)<br>Environmental Law Session<br>cont.                                                                                                                                                                               | Pontinued  Rooms 8-9 (Upper Level)  Toxic Substances Session cont.                                                                                                                                                                                                                                                                                              | (Upper Level) Water Resources Session cont.                                                                                                                                                               | 9:30 a.i                                                                                                                         |
|                         | Halls 2-3                               |                                                                                                                                                                                    | (Upper Level) Solid Waste Session cont. Leachate Treatment Technologies                                                                                                                                                                                                                                                | (Upper Level) Materials Management Session cont. Alternative Technologies for Solid                                                                                                                                               | Thursday  Rooms 4-5 (Upper Level)  Hazardous Waste & Hazardous Materials Session cont.  Demonstrating Remediation                                                                                                                                                                                                                                                                                                                                        | Morning - April 21, 2016 Co  Rooms 6-7 (Upper Level)  Environmental Law Session cont.  Ethics, Part I:                                                                                                                                                                        | Rooms 8-9 (Upper Level) Toxic Substances Session cont.  PCB Cleanups 101 (and then some)                                                                                                                                                                                                                                                                        | (Upper Level) Water Resources Session cont. Stormwater Permitting, MS4 General                                                                                                                            | 9:30 a.i<br>Room 12<br>(Lower Level)                                                                                             |
|                         | Halls 2-3                               | 9:30 a.m.                                                                                                                                                                          | (Upper Level) Solid Waste Session cont.                                                                                                                                                                                                                                                                                | (Upper Level)  Materials Management Session cont.  Alternative Technologies for Solid Waste Management                                                                                                                            | Rooms 4-5 (Upper Level) Hazardous Waste & Hazardous Materials Session cont. Demonstrating Remediation Effectiveness using Groundwater                                                                                                                                                                                                                                                                                                                    | Morning - April 21, 2016 Co  Rooms 6-7 (Upper Level)  Environmental Law Session cont.  Ethics, Part I: Avoiding Ethical Pitfalls: Addiction                                                                                                                                   | Pontinued  Rooms 8-9 (Upper Level)  Toxic Substances Session cont.                                                                                                                                                                                                                                                                                              | (Upper Level) Water Resources Session cont. Stormwater Permitting, MS4 General Permit                                                                                                                     | 9:30 a.i  Room 12 (Lower Level)  10:00 a                                                                                         |
|                         | Halls 2-3                               | 9:30 a.m.                                                                                                                                                                          | (Upper Level) Solid Waste Session cont. Leachate Treatment Technologies - Pete Shack, P.E., Phoenix Environmental                                                                                                                                                                                                      | (Upper Level)  Materials Management Session cont.  Alternative Technologies for Solid Waste Management  - Tom Stanczyk, Covanta  - Chris Koczaja, PHG Energy                                                                      | Rooms 4-5 (Upper Level) Hazardous Waste & Hazardous Materials Session cont. Demonstrating Remediation Effectiveness using Groundwater                                                                                                                                                                                                                                                                                                                    | Morning - April 21, 2016 Co  Rooms 6-7 (Upper Level)  Environmental Law Session cont.  Ethics, Part I:                                                                                                                                                                        | Rooms 8-9 (Upper Level) Toxic Substances Session cont.  PCB Cleanups 101 (and then some)                                                                                                                                                                                                                                                                        | (Upper Level) Water Resources Session cont. Stormwater Permitting, MS4 General                                                                                                                            | 9:30 a.  Room 12 (Lower Level)  10:00 a                                                                                          |
|                         | Halls 2-3                               | 9:30 a.m.<br>10:00 a.m.<br>10:05 a.m.                                                                                                                                              | (Upper Level) Solid Waste Session cont. Leachate Treatment Technologies - Pete Shack, P.E., Phoenix Environmental                                                                                                                                                                                                      | (Upper Level)  Materials Management Session cont.  Alternative Technologies for Solid Waste Management  - Tom Stanczyk, Covanta  - Chris Koczaja, PHG Energy  - Tom Leonard, Sevier Solid Waste                                   | Rooms 4-5 (Upper Level) Hazardous Waste & Hazardous Materials Session cont. Demonstrating Remediation Effectiveness using Groundwater Plume Analytics at the Velsicol Chemical Site in Memphis, Tennessee                                                                                                                                                                                                                                                | Morning - April 21, 2016 Co  Rooms 6-7 (Upper Level) Environmental Law Session cont.  Ethics, Part I: Avoiding Ethical Pitfalls: Addiction and Other Mental Health Issues and the Impact on the Practice of Law - Yvette Hourigan, Esq., Kentucky Lawyer                      | Rooms 8-9 (Upper Level) Toxic Substances Session cont.  PCB Cleanups 101 (and then some)                                                                                                                                                                                                                                                                        | (Upper Level) Water Resources Session cont. Stormwater Permitting, MS4 General Permit - Robert Karesh                                                                                                     | 9:30 a  Room 12 (Lower Level)  10:00 10:05 10:10                                                                                 |
|                         | Halls 2-3                               | 9:30 a.m.<br>10:00 a.m.<br>10:05 a.m.<br>10:10 a.m.                                                                                                                                | (Upper Level) Solid Waste Session cont. Leachate Treatment Technologies - Pete Shack, P.E., Phoenix Environmental                                                                                                                                                                                                      | (Upper Level)  Materials Management Session cont.  Alternative Technologies for Solid Waste Management  - Tom Stanczyk, Covanta  - Chris Koczaja, PHG Energy                                                                      | Rooms 4-5 (Upper Level) Hazardous Waste & Hazardous Materials Session cont. Demonstrating Remediation Effectiveness using Groundwater Plume Analytics at the Velsicol Chemical Site in Memphis,                                                                                                                                                                                                                                                          | Morning - April 21, 2016 Co  Rooms 6-7 (Upper Level) Environmental Law Session cont.  Ethics, Part I: Avoiding Ethical Pitfalls: Addiction and Other Mental Health Issues and the Impact on the Practice of Law                                                               | Rooms 8-9 (Upper Level) Toxic Substances Session cont.  PCB Cleanups 101 (and then some)                                                                                                                                                                                                                                                                        | (Upper Level) Water Resources Session cont. Stormwater Permitting, MS4 General Permit - Robert Karesh                                                                                                     | 9:30 a  Room 12 (Lower Level)  10:00 10:05 10:10 10:15                                                                           |
|                         | Halls 2-3                               | 10:00 a.m.<br>10:05 a.m.<br>10:10 a.m.<br>10:15 a.m.                                                                                                                               | (Upper Level) Solid Waste Session cont. Leachate Treatment Technologies - Pete Shack, P.E., Phoenix Environmental                                                                                                                                                                                                      | (Upper Level)  Materials Management Session cont.  Alternative Technologies for Solid Waste Management  - Tom Stanczyk, Covanta  - Chris Koczaja, PHG Energy  - Tom Leonard, Sevier Solid Waste                                   | Rooms 4-5 (Upper Level) Hazardous Waste & Hazardous Materials Session cont. Demonstrating Remediation Effectiveness using Groundwater Plume Analytics at the Velsicol Chemical Site in Memphis, Tennessee                                                                                                                                                                                                                                                | Morning - April 21, 2016 Co  Rooms 6-7 (Upper Level) Environmental Law Session cont.  Ethics, Part I: Avoiding Ethical Pitfalls: Addiction and Other Mental Health Issues and the Impact on the Practice of Law - Yvette Hourigan, Esq., Kentucky Lawyer                      | Rooms 8-9 (Upper Level) Toxic Substances Session cont.  PCB Cleanups 101 (and then some)                                                                                                                                                                                                                                                                        | (Upper Level) Water Resources Session cont. Stormwater Permitting, MS4 General Permit - Robert Karesh                                                                                                     | 9:30 a  Room 12 (Lower Level)  10:00 10:05 10:10 10:15 10:20                                                                     |
|                         | Halls 2-3                               | 10:00 a.m.<br>10:05 a.m.<br>10:10 a.m.<br>10:15 a.m.<br>10:20 a.m.                                                                                                                 | (Upper Level) Solid Waste Session cont. Leachate Treatment Technologies - Pete Shack, P.E., Phoenix Environmental                                                                                                                                                                                                      | (Upper Level)  Materials Management Session cont.  Alternative Technologies for Solid Waste Management  - Tom Stanczyk, Covanta  - Chris Koczaja, PHG Energy  - Tom Leonard, Sevier Solid Waste                                   | Rooms 4-5 (Upper Level) Hazardous Waste & Hazardous Materials Session cont. Demonstrating Remediation Effectiveness using Groundwater Plume Analytics at the Velsicol Chemical Site in Memphis, Tennessee                                                                                                                                                                                                                                                | Morning - April 21, 2016 Co  Rooms 6-7 (Upper Level) Environmental Law Session cont.  Ethics, Part I: Avoiding Ethical Pitfalls: Addiction and Other Mental Health Issues and the Impact on the Practice of Law - Yvette Hourigan, Esq., Kentucky Lawyer                      | Rooms 8-9 (Upper Level) Toxic Substances Session cont.  PCB Cleanups 101 (and then some) - Sarah Watson, US EPA Region 4  EPA's Revision to 40 CFR 761 (PCB                                                                                                                                                                                                     | (Upper Level) Water Resources Session cont. Stormwater Permitting, MS4 General Permit - Robert Karesh                                                                                                     | 9:30 a  Room 12 (Lower Level)  10:00  10:05  10:10  10:20  10:25                                                                 |
|                         | Halls 2-3 (Lower Level)                 | 10:00 a.m.<br>10:05 a.m.<br>10:10 a.m.<br>10:15 a.m.<br>10:20 a.m.<br>10:25 a.m.                                                                                                   | (Upper Level) Solid Waste Session cont. Leachate Treatment Technologies - Pete Shack, P.E., Phoenix Environmental                                                                                                                                                                                                      | (Upper Level)  Materials Management Session cont.  Alternative Technologies for Solid Waste Management  - Tom Stanczyk, Covanta  - Chris Koczaja, PHG Energy  - Tom Leonard, Sevier Solid Waste                                   | Rooms 4-5 (Upper Level) Hazardous Waste & Hazardous Materials Session cont. Demonstrating Remediation Effectiveness using Groundwater Plume Analytics at the Velsicol Chemical Site in Memphis, Tennessee                                                                                                                                                                                                                                                | Morning - April 21, 2016 Co  Rooms 6-7 (Upper Level) Environmental Law Session cont.  Ethics, Part I: Avoiding Ethical Pitfalls: Addiction and Other Mental Health Issues and the Impact on the Practice of Law - Yvette Hourigan, Esq., Kentucky Lawyer                      | Rooms 8-9 (Upper Level) Toxic Substances Session cont.  PCB Cleanups 101 (and then some) - Sarah Watson, US EPA Region 4  EPA's Revision to 40 CFR 761 (PCB Regulation): What You Need to                                                                                                                                                                       | (Upper Level) Water Resources Session cont. Stormwater Permitting, MS4 General Permit - Robert Karesh                                                                                                     | 9:30 a  Room 12 (Lower Level)  10:00  10:05  10:10  10:25  10:30                                                                 |
|                         | Halls 2-3                               | 10:00 a.m.<br>10:05 a.m.<br>10:10 a.m.<br>10:15 a.m.<br>10:20 a.m.<br>10:25 a.m.                                                                                                   | (Upper Level) Solid Waste Session cont. Leachate Treatment Technologies - Pete Shack, P.E., Phoenix Environmental Engineers, Inc.  EPA Coal Ash Rule – Impacts to the                                                                                                                                                  | (Upper Level)  Materials Management Session cont.  Alternative Technologies for Solid Waste Management  - Tom Stanczyk, Covanta  - Chris Koczaja, PHG Energy  - Tom Leonard, Sevier Solid Waste  - Jeff Draper, Zero Waste Energy | Thursday  Rooms 4-5 (Upper Level)  Hazardous Waste & Hazardous Materials Session cont.  Demonstrating Remediation Effectiveness using Groundwater Plume Analytics at the Velsicol Chemical Site in Memphis, Tennessee - Joe Ricker, P.E., EarthCon Consultants, Inc.  Sustained Oxidation and Controlled                                                                                                                                                 | Morning - April 21, 2016 Co  Rooms 6-7 (Upper Level) Environmental Law Session cont.  Ethics, Part I: Avoiding Ethical Pitfalls: Addiction and Other Mental Health Issues and the Impact on the Practice of Law - Yvette Hourigan, Esq., Kentucky Lawyer                      | Rooms 8-9 (Upper Level) Toxic Substances Session cont.  PCB Cleanups 101 (and then some) - Sarah Watson, US EPA Region 4  EPA's Revision to 40 CFR 761 (PCB Regulation): What You Need to Know                                                                                                                                                                  | (Upper Level) Water Resources Session cont. Stormwater Permitting, MS4 General Permit - Robert Karesh - Steven Turaski                                                                                    | 9:30 a.  Room 12 (Lower Level)  10:00 a  10:10 a  10:15 a  10:20 a  10:30 a                                                      |
|                         | Halls 2-3 (Lower Level)                 | 10:00 a.m.<br>10:05 a.m.<br>10:10 a.m.<br>10:15 a.m.<br>10:20 a.m.<br>10:25 a.m.<br>10:30 a.m.                                                                                     | (Upper Level) Solid Waste Session cont. Leachate Treatment Technologies - Pete Shack, P.E., Phoenix Environmental Engineers, Inc.  EPA Coal Ash Rule – Impacts to the Waste and Recycling Industry                                                                                                                     | (Upper Level)  Materials Management Session cont.  Alternative Technologies for Solid Waste Management  - Tom Stanczyk, Covanta  - Chris Koczaja, PHG Energy  - Tom Leonard, Sevier Solid Waste  - Jeff Draper, Zero Waste Energy | Rooms 4-5 (Upper Level)  Hazardous Waste & Hazardous Materials Session cont.  Demonstrating Remediation Effectiveness using Groundwater Plume Analytics at the Velsicol Chemical Site in Memphis, Tennessee - Joe Ricker, P.E., EarthCon Consultants, Inc.  Sustained Oxidation and Controlled Oxidant Release In-Situ Remediation                                                                                                                       | Morning - April 21, 2016 Co  Rooms 6-7 (Upper Level) Environmental Law Session cont.  Ethics, Part I: Avoiding Ethical Pitfalls: Addiction and Other Mental Health Issues and the Impact on the Practice of Law - Yvette Hourigan, Esq., Kentucky Lawyer                      | Rooms 8-9 (Upper Level) Toxic Substances Session cont.  PCB Cleanups 101 (and then some) - Sarah Watson, US EPA Region 4  EPA's Revision to 40 CFR 761 (PCB Regulation): What You Need to                                                                                                                                                                       | (Upper Level) Water Resources Session cont. Stormwater Permitting, MS4 General Permit - Robert Karesh - Steven Turaski  401 Certifications for Landfills - Vena Jones, TDEC - Division of Water           | 9:30 a.  Room 12 (Lower Level)  10:00 a  10:10 a  10:15 a  10:26 a  10:35 a  10:35 a                                             |
|                         | Halls 2-3 (Lower Level)                 | 10:00 a.m.<br>10:05 a.m.<br>10:15 a.m.<br>10:20 a.m.<br>10:25 a.m.<br>10:35 a.m.<br>10:35 a.m.<br>10:40 a.m.                                                                       | (Upper Level) Solid Waste Session cont. Leachate Treatment Technologies - Pete Shack, P.E., Phoenix Environmental Engineers, Inc.  EPA Coal Ash Rule – Impacts to the                                                                                                                                                  | (Upper Level)  Materials Management Session cont.  Alternative Technologies for Solid Waste Management  - Tom Stanczyk, Covanta  - Chris Koczaja, PHG Energy  - Tom Leonard, Sevier Solid Waste  - Jeff Draper, Zero Waste Energy | Rooms 4-5 (Upper Level)  Hazardous Waste & Hazardous Materials Session cont.  Demonstrating Remediation Effectiveness using Groundwater Plume Analytics at the Velsicol Chemical Site in Memphis, Tennessee - Joe Ricker, P.E., EarthCon Consultants, Inc.  Sustained Oxidation and Controlled Oxidant Release In-Situ Remediation Technology                                                                                                            | Morning - April 21, 2016 Co  Rooms 6-7 (Upper Level) Environmental Law Session cont.  Ethics, Part I: Avoiding Ethical Pitfalls: Addiction and Other Mental Health Issues and the Impact on the Practice of Law - Yvette Hourigan, Esq., Kentucky Lawyer                      | Rooms 8-9 (Upper Level) Toxic Substances Session cont.  PCB Cleanups 101 (and then some) - Sarah Watson, US EPA Region 4  EPA's Revision to 40 CFR 761 (PCB Regulation): What You Need to Know                                                                                                                                                                  | (Upper Level) Water Resources Session cont. Stormwater Permitting, MS4 General Permit - Robert Karesh - Steven Turaski                                                                                    | 9:30 a.  Room 12 (Lower Level)  10:00 a  10:15 a  10:25 a  10:35 a  10:35 a  10:45 a                                             |
|                         | Halls 2-3 (Lower Level)                 | 10:00 a.m.<br>10:05 a.m.<br>10:10 a.m.<br>10:15 a.m.<br>10:20 a.m.<br>10:25 a.m.<br>10:30 a.m.<br>10:35 a.m.<br>10:40 a.m.<br>10:45 a.m.                                           | (Upper Level) Solid Waste Session cont. Leachate Treatment Technologies - Pete Shack, P.E., Phoenix Environmental Engineers, Inc.  EPA Coal Ash Rule – Impacts to the Waste and Recycling Industry - Steve Dixon, Civil & Environmental Consultants, Inc. Pick Buffalini, P.E., Civil & Environmental                  | (Upper Level)  Materials Management Session cont.  Alternative Technologies for Solid Waste Management  - Tom Stanczyk, Covanta  - Chris Koczaja, PHG Energy  - Tom Leonard, Sevier Solid Waste  - Jeff Draper, Zero Waste Energy | Rooms 4-5 (Upper Level) Hazardous Waste & Hazardous Materials Session cont.  Demonstrating Remediation Effectiveness using Groundwater Plume Analytics at the Velsicol Chemical Site in Memphis, Tennessee - Joe Ricker, P.E., EarthCon Consultants, Inc.  Sustained Oxidation and Controlled Oxidant Release In-Situ Remediation Technology - Sung-Woo Lee, PhD, Specialty Earth Sciences, LLC                                                          | Morning - April 21, 2016 Co  Rooms 6-7 (Upper Level) Environmental Law Session cont.  Ethics, Part I: Avoiding Ethical Pitfalls: Addiction and Other Mental Health Issues and the Impact on the Practice of Law - Yvette Hourigan, Esq., Kentucky Lawyer                      | Rooms 8-9 (Upper Level) Toxic Substances Session cont.  PCB Cleanups 101 (and then some) - Sarah Watson, US EPA Region 4  EPA's Revision to 40 CFR 761 (PCB Regulation): What You Need to Know                                                                                                                                                                  | (Upper Level) Water Resources Session cont. Stormwater Permitting, MS4 General Permit - Robert Karesh - Steven Turaski  401 Certifications for Landfills - Vena Jones, TDEC - Division of Water           | 9:30 a.  Room 12 (Lower Level)  10:00 a  10:05 a  10:15 a  10:25 a  10:35 a  10:45 a  10:45 a  10:45 a                           |
|                         | Halls 2-3 (Lower Level)                 | 10:00 a.m.<br>10:00 a.m.<br>10:10 a.m.<br>10:15 a.m.<br>10:20 a.m.<br>10:30 a.m.<br>10:30 a.m.<br>10:40 a.m.<br>10:40 a.m.<br>10:50 a.m.                                           | (Upper Level) Solid Waste Session cont. Leachate Treatment Technologies - Pete Shack, P.E., Phoenix Environmental Engineers, Inc.  EPA Coal Ash Rule – Impacts to the Waste and Recycling Industry - Steve Dixon, Civil & Environmental Consultants, Inc.                                                              | (Upper Level)  Materials Management Session cont.  Alternative Technologies for Solid Waste Management  - Tom Stanczyk, Covanta  - Chris Koczaja, PHG Energy  - Tom Leonard, Sevier Solid Waste  - Jeff Draper, Zero Waste Energy | Rooms 4-5 (Upper Level) Hazardous Waste & Hazardous Materials Session cont.  Demonstrating Remediation Effectiveness using Groundwater Plume Analytics at the Velsicol Chemical Site in Memphis, Tennessee - Joe Ricker, P.E., EarthCon Consultants, Inc.  Sustained Oxidation and Controlled Oxidant Release In-Situ Remediation Technology - Sung-Woo Lee, PhD, Specialty Earth Sciences, LLC - Dr. Lindsay Swearingen, Specialty Earth                | Morning - April 21, 2016 Co  Rooms 6-7 (Upper Level) Environmental Law Session cont.  Ethics, Part I: Avoiding Ethical Pitfalls: Addiction and Other Mental Health Issues and the Impact on the Practice of Law - Yvette Hourigan, Esq., Kentucky Lawyer                      | Rooms 8-9 (Upper Level) Toxic Substances Session cont.  PCB Cleanups 101 (and then some) - Sarah Watson, US EPA Region 4  EPA's Revision to 40 CFR 761 (PCB Regulation): What You Need to Know                                                                                                                                                                  | (Upper Level) Water Resources Session cont. Stormwater Permitting, MS4 General Permit - Robert Karesh - Steven Turaski  401 Certifications for Landfills - Vena Jones, TDEC - Division of Water           | 9:30 a.i  Room 12 (Lower Level)  10:00 a  10:15 a  10:20 a  10:30 a  10:30 a  10:40 a  10:45 a  10:50 a                          |
|                         | Halls 2-3 (Lower Level)                 | 10:00 a.m.<br>10:00 a.m.<br>10:10 a.m.<br>10:15 a.m.<br>10:20 a.m.<br>10:30 a.m.<br>10:35 a.m.<br>10:40 a.m.<br>10:40 a.m.<br>10:55 a.m.                                           | (Upper Level) Solid Waste Session cont. Leachate Treatment Technologies - Pete Shack, P.E., Phoenix Environmental Engineers, Inc.  EPA Coal Ash Rule – Impacts to the Waste and Recycling Industry - Steve Dixon, Civil & Environmental Consultants, Inc. Pick Buffalini, P.E., Civil & Environmental                  | (Upper Level)  Materials Management Session cont.  Alternative Technologies for Solid Waste Management  - Tom Stanczyk, Covanta  - Chris Koczaja, PHG Energy  - Tom Leonard, Sevier Solid Waste  - Jeff Draper, Zero Waste Energy | Rooms 4-5 (Upper Level) Hazardous Waste & Hazardous Materials Session cont.  Demonstrating Remediation Effectiveness using Groundwater Plume Analytics at the Velsicol Chemical Site in Memphis, Tennessee - Joe Ricker, P.E., EarthCon Consultants, Inc.  Sustained Oxidation and Controlled Oxidant Release In-Situ Remediation Technology - Sung-Woo Lee, PhD, Specialty Earth Sciences, LLC                                                          | Morning - April 21, 2016 Co  Rooms 6-7 (Upper Level) Environmental Law Session cont.  Ethics, Part I: Avoiding Ethical Pitfalls: Addiction and Other Mental Health Issues and the Impact on the Practice of Law - Yvette Hourigan, Esq., Kentucky Lawyer                      | Rooms 8-9 (Upper Level) Toxic Substances Session cont.  PCB Cleanups 101 (and then some) - Sarah Watson, US EPA Region 4  EPA's Revision to 40 CFR 761 (PCB Regulation): What You Need to Know - Jacob Gruzalski, Environmental Standards, Inc.  Asbestos Management 101 – Know Your Regulations and Best Practices                                             | (Upper Level) Water Resources Session cont. Stormwater Permitting, MS4 General Permit - Robert Karesh - Steven Turaski  401 Certifications for Landfills - Vena Jones, TDEC - Division of Water           | 9:30 a.  Room 12 (Lower Level)  10:00 a  10:10 a  10:15 a  10:25 a  10:40 a  10:55 a  10:55 a  11:00 a                           |
|                         | Halls 2-3 (Lower Level)                 | 10:00 a.m.<br>10:00 a.m.<br>10:10 a.m.<br>10:15 a.m.<br>10:20 a.m.<br>10:25 a.m.<br>10:35 a.m.<br>10:40 a.m.<br>10:45 a.m.<br>10:55 a.m.<br>10:55 a.m.                             | (Upper Level) Solid Waste Session cont. Leachate Treatment Technologies - Pete Shack, P.E., Phoenix Environmental Engineers, Inc.  EPA Coal Ash Rule – Impacts to the Waste and Recycling Industry - Steve Dixon, Civil & Environmental Consultants, Inc. Pick Buffalini, P.E., Civil & Environmental                  | (Upper Level)  Materials Management Session cont.  Alternative Technologies for Solid Waste Management  - Tom Stanczyk, Covanta  - Chris Koczaja, PHG Energy  - Tom Leonard, Sevier Solid Waste  - Jeff Draper, Zero Waste Energy | Rooms 4-5 (Upper Level) Hazardous Waste & Hazardous Materials Session cont.  Demonstrating Remediation Effectiveness using Groundwater Plume Analytics at the Velsicol Chemical Site in Memphis, Tennessee - Joe Ricker, P.E., EarthCon Consultants, Inc.  Sustained Oxidation and Controlled Oxidant Release In-Situ Remediation Technology - Sung-Woo Lee, PhD, Specialty Earth Sciences, LLC - Dr. Lindsay Swearingen, Specialty Earth                | Morning - April 21, 2016 Co  Rooms 6-7 (Upper Level) Environmental Law Session cont.  Ethics, Part I: Avoiding Ethical Pitfalls: Addiction and Other Mental Health Issues and the Impact on the Practice of Law - Yvette Hourigan, Esq., Kentucky Lawyer                      | Rooms 8-9 (Upper Level) Toxic Substances Session cont.  PCB Cleanups 101 (and then some) - Sarah Watson, US EPA Region 4  EPA's Revision to 40 CFR 761 (PCB Regulation): What You Need to Know - Jacob Gruzalski, Environmental Standards, Inc.  Asbestos Management 101 – Know Your Regulations and Best Practices - Peter Frederick, CIEC, Arcadis U.S., Inc. | (Upper Level) Water Resources Session cont. Stormwater Permitting, MS4 General Permit - Robert Karesh - Steven Turaski  401 Certifications for Landfills - Vena Jones, TDEC - Division of Water           | 9:30 a.  Room 12 (Lower Level)  10:05 a  10:15 a  10:25 a  10:35 a  10:45 a  10:55 a  11:05 a                                    |
|                         | Halls 2-3 (Lower Level)                 | 10:00 a.m.<br>10:05 a.m.<br>10:10 a.m.<br>10:15 a.m.<br>10:25 a.m.<br>10:30 a.m.<br>10:45 a.m.<br>10:45 a.m.<br>10:50 a.m.<br>11:00 a.m.<br>11:05 a.m.                             | (Upper Level) Solid Waste Session cont. Leachate Treatment Technologies - Pete Shack, P.E., Phoenix Environmental Engineers, Inc.  EPA Coal Ash Rule – Impacts to the Waste and Recycling Industry - Steve Dixon, Civil & Environmental Consultants, Inc. Pick Buffalini, P.E., Civil & Environmental                  | (Upper Level)  Materials Management Session cont.  Alternative Technologies for Solid Waste Management  - Tom Stanczyk, Covanta  - Chris Koczaja, PHG Energy  - Tom Leonard, Sevier Solid Waste  - Jeff Draper, Zero Waste Energy | Rooms 4-5 (Upper Level) Hazardous Waste & Hazardous Materials Session cont.  Demonstrating Remediation Effectiveness using Groundwater Plume Analytics at the Velsicol Chemical Site in Memphis, Tennessee - Joe Ricker, P.E., EarthCon Consultants, Inc.  Sustained Oxidation and Controlled Oxidant Release In-Situ Remediation Technology - Sung-Woo Lee, PhD, Specialty Earth Sciences, LLC - Dr. Lindsay Swearingen, Specialty Earth                | Morning - April 21, 2016 Co  Rooms 6-7 (Upper Level) Environmental Law Session cont.  Ethics, Part I: Avoiding Ethical Pitfalls: Addiction and Other Mental Health Issues and the Impact on the Practice of Law - Yvette Hourigan, Esq., Kentucky Lawyer                      | Rooms 8-9 (Upper Level) Toxic Substances Session cont.  PCB Cleanups 101 (and then some) - Sarah Watson, US EPA Region 4  EPA's Revision to 40 CFR 761 (PCB Regulation): What You Need to Know - Jacob Gruzalski, Environmental Standards, Inc.  Asbestos Management 101 – Know Your Regulations and Best Practices                                             | (Upper Level) Water Resources Session cont. Stormwater Permitting, MS4 General Permit - Robert Karesh - Steven Turaski  401 Certifications for Landfills - Vena Jones, TDEC - Division of Water           | 9:30 a.i  Room 12 (Lower Level)  10:00 a 10:10 a 10:15 a 10:25 a 10:30 a 10:40 a 10:45 a 10:50 a 11:05 a 11:05 a                 |
|                         | Halls 2-3 (Lower Level)                 | 10:00 a.m.<br>10:05 a.m.<br>10:10 a.m.<br>10:15 a.m.<br>10:25 a.m.<br>10:30 a.m.<br>10:30 a.m.<br>10:40 a.m.<br>10:50 a.m.<br>10:50 a.m.<br>11:00 a.m.<br>11:10 a.m.<br>11:10 a.m. | (Upper Level) Solid Waste Session cont. Leachate Treatment Technologies - Pete Shack, P.E., Phoenix Environmental Engineers, Inc.  EPA Coal Ash Rule – Impacts to the Waste and Recycling Industry - Steve Dixon, Civil & Environmental Consultants, Inc Rick Buffalini, P.E., Civil & Environmental Consultants, Inc. | (Upper Level)  Materials Management Session cont.  Alternative Technologies for Solid Waste Management  - Tom Stanczyk, Covanta  - Chris Koczaja, PHG Energy  - Tom Leonard, Sevier Solid Waste  - Jeff Draper, Zero Waste Energy | Rooms 4-5 (Upper Level)  Hazardous Waste & Hazardous Materials Session cont.  Demonstrating Remediation Effectiveness using Groundwater Plume Analytics at the Velsicol Chemical Site in Memphis, Tennessee - Joe Ricker, P.E., EarthCon Consultants, Inc.  Sustained Oxidation and Controlled Oxidant Release In-Situ Remediation Technology - Sung-Woo Lee, PhD, Specialty Earth Sciences, LLC - Dr. Lindsay Swearingen, Specialty Earth Sciences, LLC | Morning - April 21, 2016 Co  Rooms 6-7 (Upper Level)  Environmental Law Session cont.  Ethics, Part I:  Avoiding Ethical Pitfalls: Addiction and Other Mental Health Issues and the Impact on the Practice of Law - Yvette Hourigan, Esq., Kentucky Lawyer Assistance Program | Rooms 8-9 (Upper Level) Toxic Substances Session cont.  PCB Cleanups 101 (and then some) - Sarah Watson, US EPA Region 4  EPA's Revision to 40 CFR 761 (PCB Regulation): What You Need to Know - Jacob Gruzalski, Environmental Standards, Inc.  Asbestos Management 101 – Know Your Regulations and Best Practices - Peter Frederick, CIEC, Arcadis U.S., Inc. | (Upper Level) Water Resources Session cont. Stormwater Permitting, MS4 General Permit - Robert Karesh - Steven Turaski  401 Certifications for Landfills - Vena Jones, TDEC - Division of Water Resources | 9:30 a.r  Room 12 (Lower Level)  10:00 a 10:05 a 10:10 a 10:25 a 10:30 a 10:35 a 10:40 a 10:55 a 10:50 a 11:50 a 11:10 a 11:15 a |
|                         | Halls 2-3 (Lower Level)                 | 10:00 a.m.<br>10:05 a.m.<br>10:10 a.m.<br>10:15 a.m.<br>10:25 a.m.<br>10:30 a.m.<br>10:45 a.m.<br>10:45 a.m.<br>10:50 a.m.<br>11:00 a.m.<br>11:05 a.m.                             | (Upper Level) Solid Waste Session cont. Leachate Treatment Technologies - Pete Shack, P.E., Phoenix Environmental Engineers, Inc.  EPA Coal Ash Rule – Impacts to the Waste and Recycling Industry - Steve Dixon, Civil & Environmental Consultants, Inc. Pick Buffalini, P.E., Civil & Environmental                  | (Upper Level)  Materials Management Session cont.  Alternative Technologies for Solid Waste Management  - Tom Stanczyk, Covanta  - Chris Koczaja, PHG Energy  - Tom Leonard, Sevier Solid Waste  - Jeff Draper, Zero Waste Energy | Rooms 4-5 (Upper Level) Hazardous Waste & Hazardous Materials Session cont.  Demonstrating Remediation Effectiveness using Groundwater Plume Analytics at the Velsicol Chemical Site in Memphis, Tennessee - Joe Ricker, P.E., EarthCon Consultants, Inc.  Sustained Oxidation and Controlled Oxidant Release In-Situ Remediation Technology - Sung-Woo Lee, PhD, Specialty Earth Sciences, LLC - Dr. Lindsay Swearingen, Specialty Earth                | Morning - April 21, 2016 Co  Rooms 6-7 (Upper Level) Environmental Law Session cont.  Ethics, Part I: Avoiding Ethical Pitfalls: Addiction and Other Mental Health Issues and the Impact on the Practice of Law - Yvette Hourigan, Esq., Kentucky Lawyer                      | Rooms 8-9 (Upper Level) Toxic Substances Session cont.  PCB Cleanups 101 (and then some) - Sarah Watson, US EPA Region 4  EPA's Revision to 40 CFR 761 (PCB Regulation): What You Need to Know - Jacob Gruzalski, Environmental Standards, Inc.  Asbestos Management 101 – Know Your Regulations and Best Practices - Peter Frederick, CIEC, Arcadis U.S., Inc. | (Upper Level) Water Resources Session cont. Stormwater Permitting, MS4 General Permit - Robert Karesh - Steven Turaski  401 Certifications for Landfills - Vena Jones, TDEC - Division of Water           | 9:30 a.r  Room 12 (Lower Level)  10:00 a 10:05 a 10:10 a 10:20 a 10:25 a 10:30 a 10:35 a 10:40 a 10:45 a 10:50 a 11:00 a         |

| Hall 1        | Halls 2-3                            |           | Gatlinburg A-B                                              | Room 1-3                                                                          | Rooms 4-5                                                     | Rooms 6-7                                                                  | Rooms 8-9                                                         | Room 10-11                                                 | Room 12                                                        |           |
|---------------|--------------------------------------|-----------|-------------------------------------------------------------|-----------------------------------------------------------------------------------|---------------------------------------------------------------|----------------------------------------------------------------------------|-------------------------------------------------------------------|------------------------------------------------------------|----------------------------------------------------------------|-----------|
| (Lower Level) | (Lower Level)                        |           | (Upper Level)                                               | (Upper Level)                                                                     | (Upper Level)                                                 | (Upper Level)                                                              | (Upper Level)                                                     | (Upper Level)                                              | (Lower Level)                                                  |           |
|               |                                      |           |                                                             |                                                                                   |                                                               | sday Afternoon - April 21, 2                                               | 2016                                                              |                                                            |                                                                |           |
|               |                                      |           | SWANA Session                                               | Materials Management Session                                                      | DOT / IATA Highway and Air Refresher Training Session         | Environmental Law Session                                                  | Vapor Intrusion Session                                           | Water Resources Session                                    | Air Pollution Control Session                                  |           |
|               |                                      | 1:00 p.m. | Moderator Mary Anderson opens session                       | Moderator Seth Benge opens session                                                | Presented by: Linda Lawhorn, CHMM,                            | Moderator opens session                                                    | Moderator opens session                                           | Moderator opens session                                    | Moderator opens session                                        | 1:00 p.m. |
|               |                                      | 1:05 p.m. |                                                             |                                                                                   | CDGP, Edgewater Technical Associates                          |                                                                            |                                                                   |                                                            |                                                                | 1:05 p.m. |
|               |                                      | 1:10 p.m. | Bi-County Solid Waste Closure Turf                          | Model Recycling Contracts                                                         | HIGHWAY                                                       | Ethics, Part 2:                                                            | TDEC Division of Remediation's                                    | TN Nutrient Reduction Framework                            | Tennessee's Air Quality Update                                 | 1:10 p.m. |
|               |                                      | 1:15 p.m. | Project                                                     | - Philip Davis, City of Memphis Public Works<br>Division                          |                                                               | Attorney Professional Conduct                                              | Vapor Intrusion Update - Charles Jobe                             | - Jenny Dodd, TDEC - Division of Water<br>Resources        | - Jimmy Johnston, TDEC - Division of Air<br>Pollution Control  | 1:15 p.m. |
|               |                                      | 1:20 p.m. | - Chris Eichelberger, Agru America                          | - Joy Williams City of Memphis                                                    | Packaging, Marking, Labeling,<br>Documentation, Placarding    | Update - Paula Schaefer, University of Tennessee                           | - Charles Jobe                                                    | Nosourous                                                  | i didddii ddiidd                                               | 1:20 p.m. |
|               |                                      | 1:25 p.m. |                                                             | - Mary Chamberlain, Louis Berger                                                  | Loading/Unloading,                                            | College of Law                                                             |                                                                   |                                                            |                                                                | 1:25 p.m. |
|               |                                      | 1:30 p.m. |                                                             |                                                                                   | Separation/Segregation, Materials of                          |                                                                            |                                                                   | Wastewater Plant Optimization                              |                                                                | 1:30 p.m. |
|               | ⊑<br>⊕                               | 1:35 p.m. | <del>5</del><br>-                                           |                                                                                   | Trade                                                         |                                                                            | TDEC Division of Underground                                      | - Karina Bynum, TDEC - Division of Water<br>Resources      |                                                                | 1:35 p.m. |
|               | Hall Ope                             | 1:40 p.m. |                                                             |                                                                                   |                                                               |                                                                            | Storage Tanks' Update – Vapor                                     | Nosourous                                                  |                                                                | 1:40 p.m. |
|               | ibit H;                              | 1:45 p.m. |                                                             |                                                                                   |                                                               |                                                                            | Intrusion and Remediation - Cindy Greene                          |                                                            |                                                                | 1:45 p.m. |
|               | Exhi                                 | 1:50 p.m. | Metro Thermal Ash Monofill Closure                          |                                                                                   |                                                               |                                                                            | , , , , , , , , , , , , , , , , , , , ,                           |                                                            | Air Quality Management at Municipa                             | 1:50 p.m. |
|               |                                      | 1:55 p.m. | Cap Stormwater Damage and                                   |                                                                                   |                                                               |                                                                            |                                                                   |                                                            | Solid Waste Landfills  - Hernan Flores, TDEC - Division of Air | 1:55 p.m. |
|               |                                      | 2:00 p.m. | Restoration Update - John Gardner. Smith Gardner            |                                                                                   |                                                               |                                                                            | Vapor Intrusion Assessments –                                     | Energy Efficiency Audits                                   | Pollution Control                                              | 2:00 p.m. |
|               |                                      | 2:05 p.m. |                                                             |                                                                                   |                                                               |                                                                            | Introduction to Collecting Quality                                | - Yatasha Moore, TDEC - Division of Water<br>Resources     | - Wes Younger, Trinity Consultants                             | 2:05 p.m. |
|               |                                      | 2:10 p.m. |                                                             |                                                                                   |                                                               |                                                                            | Vapor Samples - Tom Yoder, TestAmerica                            | Nosourous                                                  |                                                                | 2:10 p.m. |
|               |                                      | 2:15 p.m. |                                                             |                                                                                   |                                                               |                                                                            |                                                                   |                                                            |                                                                | 2:15 p.m. |
|               |                                      | 2:20 p.m. |                                                             |                                                                                   |                                                               |                                                                            |                                                                   |                                                            |                                                                | 2:20 p.m. |
|               |                                      | 2:25 p.m. |                                                             |                                                                                   |                                                               |                                                                            |                                                                   |                                                            |                                                                | 2:25 p.m. |
|               | Ice Cream Social in the Exhibit Hall | 2:30 p.m. |                                                             |                                                                                   | Ne                                                            | tworking Break—Ice Cream Social in the Exhib                               | it Hall                                                           |                                                            |                                                                | 2:30 p.m. |
|               | Exhibit Hall Closes                  | 3:15 p.m. | Coal Ash - Nowhere To Go                                    | Public/Private Partnerships                                                       | AIR                                                           | Overview of OSHA Safety and Health                                         |                                                                   | Is it Time for a National Stormwater                       | Planning for a Facility Inspection –                           | 3:15 p.m. |
|               |                                      | 3:20 p.m. | - Bruce Schmucker, Cornerstone                              | - Trina Matta, Resource Recycling Systems<br>- Lincoln Young, Ground Up Recycling | Identification, Classification, Packaging, Marking, Labeling, | Law and Update on Recent Developments and Hot Topics                       | Intrusion Related Guidance Documents                              | Testing and Evaluation Program for Products and Practices? | Techniques for Demonstrating Compliance                        | 3:20 p.m. |
|               |                                      | 3:25 p.m. |                                                             | - Stacey Cothran HHSP Friends Group                                               | Documentation, Security Awareness                             | - Michael C. Mallen, Miller & Martin PLLC                                  | - Christopher D. Engler, P.E., Arcadis U.S.,                      | - Mark B. Miller, AquaShield, Inc                          | - Geed Latif, Cornerstone Environmental                        | 3:25 p.m. |
|               |                                      | 3:30 p.m. |                                                             | - Mark Graves, Town of Chapel Hill                                                | Certifications and the AHMP: Is it for                        |                                                                            | Inc.                                                              |                                                            | Group                                                          | 3:30 p.m. |
|               |                                      | 3:35 p.m. |                                                             |                                                                                   | you?                                                          |                                                                            |                                                                   |                                                            |                                                                | 3:35 p.m. |
|               |                                      | 3:40 p.m. |                                                             |                                                                                   |                                                               |                                                                            | Vapor Intrusion Lessons Learned in                                |                                                            |                                                                | 3:40 p.m. |
|               |                                      | 3:45 p.m. | 7                                                           |                                                                                   |                                                               |                                                                            | Memphis - Merrie Embry                                            | Assessment of the Interface Between                        | •                                                              | 3:45 p.m. |
|               |                                      | 3:50 p.m. |                                                             |                                                                                   |                                                               |                                                                            | Morrio Embry                                                      | Streams and Stormwater Infrastructure                      | Sources in Tennessee - Lindsay Hyde, Trinity Consultants       | 3:50 p.m. |
|               |                                      | 3:55 p.m. | Statewide Uniform Inspection                                |                                                                                   |                                                               | Environmental Hearings Before                                              |                                                                   | - Melissa Ruiz, Stantec                                    | - Linusuy Hyue, Hillity Consultants                            | 3:55 p.m. |
|               |                                      | 4:00 p.m. | Training Program J- Jerry Branham, TDEC - Division of Solid |                                                                                   |                                                               | Administrative Law Judges: A<br>Practical Guide                            |                                                                   |                                                            |                                                                | 4:00 p.m. |
|               |                                      | 4:05 p.m. | Waste Management                                            |                                                                                   |                                                               | - William L. Penny, Burr & Forman                                          | Efficient and Effective Vapor                                     |                                                            |                                                                | 4:05 p.m. |
|               |                                      | 4:10 p.m. |                                                             |                                                                                   |                                                               | - Thomas G. Stovall, TN Dept of State -                                    | Intrusion Mitigation Techniques - Thomas Hatton, Clean Vapor, LLC |                                                            | Propane as Mowing Equipment Fuel                               | 4:10 p.m. |
|               |                                      | 4:15 p.m. |                                                             |                                                                                   |                                                               | Administrative Procedures Division - Stephanie A. Durman, TDEC - Office of | Thomas Hallon, Glean Vapor, LLO                                   |                                                            | - Kristy Keel-Blackmon, East Tennessee<br>Clean Fuels          | 4:15 p.m. |
|               |                                      | 4:20 p.m. |                                                             |                                                                                   |                                                               | General Counsel                                                            |                                                                   |                                                            |                                                                | 4:20 p.m. |
|               |                                      | 4:25 p.m. |                                                             |                                                                                   |                                                               |                                                                            |                                                                   |                                                            |                                                                | 4:25 p.m. |
|               |                                      | 4:30 p.m. |                                                             |                                                                                   |                                                               |                                                                            |                                                                   |                                                            |                                                                | 4:30 p.m. |
|               |                                      | 4:35 p.m. | Moderator closes session                                    | Moderator closes session                                                          |                                                               | Moderator closes session                                                   | Moderator closes session                                          | Moderator closes session                                   | Moderator closes session                                       | 4:35 p.m. |
|               |                                      |           |                                                             |                                                                                   |                                                               |                                                                            |                                                                   |                                                            |                                                                |           |

| Hall 1                                                                                          | Halls 2-3                            |
|-------------------------------------------------------------------------------------------------|--------------------------------------|
| (Lower Level)                                                                                   | (Lower Level) Friday, April 22, 2016 |
| Hall 1                                                                                          | 1 Hday, April 22, 2010               |
| (Lower Level)                                                                                   |                                      |
| Breakfast served in main hall                                                                   | 7:30 a.m.                            |
| Morning Address Patrick J. Flood, P.E., TDEC - Division of Solid Waste                          | 8:15 a.m.                            |
| Management                                                                                      | 8:20 a.m.                            |
|                                                                                                 | 8:25 a.m.                            |
| Legislative Update                                                                              | 8:30 a.m.                            |
| Emily Urban, TDEC - Office of General Counsel                                                   | 8:35 a.m.                            |
|                                                                                                 | 8:40 a.m.                            |
|                                                                                                 | 8:45 a.m.                            |
|                                                                                                 | 8:50 a.m.                            |
|                                                                                                 | 8:55 a.m.                            |
| TDEC Program Updates                                                                            | 9:00 a.m.                            |
| Quincy Styke, Division of Air Pollution Control  Anthony Hogan, Division of Radiological Health | 9:05 a.m.                            |
| Steve Goins, Division of Remediation                                                            | 9:10 a.m.                            |
| Patrick J. Flood, P.E., Director, Division of Solid Waste                                       | 9:15 a.m.                            |
| Management<br>Tisha Calabrese, Division of Water Resources                                      | 9:20 a.m.                            |
|                                                                                                 | 9:25 a.m.                            |
|                                                                                                 | 9:30 a.m.                            |
|                                                                                                 | 9:35 a.m.                            |
|                                                                                                 | 9:40 a.m.                            |
|                                                                                                 | 9:45 a.m.                            |
|                                                                                                 | 9:50 a.m.                            |
|                                                                                                 | 9:55 a.m.                            |
|                                                                                                 | 10:00 a.m.                           |
|                                                                                                 | 10:05 a.m.                           |
|                                                                                                 | 10:10 a.m.                           |
|                                                                                                 | 10:15 a.m.                           |
|                                                                                                 | 10:20 a.m.                           |
|                                                                                                 | 10:25 a.m.                           |
| Open Discussion with TDEC Representatives -                                                     | 10:30 a.m.                           |
| Question and Answer Session                                                                     | 10:35 a.m.                           |
|                                                                                                 | 10:40 a.m.                           |
|                                                                                                 | 10:45 a.m.                           |
| Closing Remarks                                                                                 | 10:50 a.m.                           |
| Patrick J. Flood, P.E., TDEC - Division of Solid Waste                                          | 10:55 a.m.                           |
| Management<br>Event concludes                                                                   | 11:00 a.m.                           |

Rooms 4-5 (Upper Level) Rooms 6-7 (Upper Level) Rooms 8-9 (Upper Level) Room 10-11 (Upper Level)

Friday, April 22, 2016